

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

- 1-14. (canceled).
- 15. (previously presented) An isolated antibody that immunospecifically-binds to a polypeptide comprising amino acids 1-705 of SEQ ID NO: 5, wherein said isolated antibody does not immunospecifically bind to the polypeptide of SEQ ID NO: 52.
- 16. (original) The antibody of claim 15, wherein said antibody is a monoclonal antibody.
- 17. (original) The antibody of claim 15, wherein the antibody is a humanized antibody.
- 18-34. (canceled).
- 35. (previously presented) A composition comprising the antibody of claim 15 and a carrier.
- 36-37. (canceled).
- 38. (previously presented) A kit comprising in one or more containers, the composition of claim 35.
- 39-48. (canceled).
- 49. (previously presented) An isolated antibody that immunospecifically-binds to a polypeptide comprising an amino acid sequence at least 96% identical to the amino acid sequence of amino acids 1-705 of SEQ ID NO: 5, wherein said polypeptide has kinase activity, and wherein said isolated antibody does not bind to the polypeptide of SEQ ID NO: 52.
- 50. (previously presented) The antibody of claim 49, wherein said antibody is a monoclonal antibody.
- 51. (previously presented) The antibody of claim 49, wherein the antibody is a humanized antibody.
- 52. (previously presented) A composition comprising the antibody of claim 49 and a carrier.
- 53. (previously presented) A kit comprising in one or more containers, the composition of claim 52.
- 54. (previously presented) An isolated antibody that immunospecifically-binds to a polypeptide comprising an amino acid sequence at least 99% identical to the amino acid sequence of amino acids 1-705 of SEQ ID NO: 5, wherein said polypeptide has kinase

- activity, and wherein said isolated antibody does not immunospecifically bind to the polypeptide of SEQ ID NO: 52.
55. (previously presented) The antibody of claim 54, wherein said antibody is a monoclonal antibody.
  56. (previously presented) The antibody of claim 54, wherein the antibody is a humanized antibody.
  57. (previously presented) A composition comprising the antibody of claim 54 and a carrier.
  58. (previously presented) A kit comprising in one or more containers, the composition of claim 57.
  59. (previously presented) An isolated antibody that immunospecifically-binds to a polypeptide comprising amino acids 28-705 of SEQ ID NO: 5, and wherein said isolated antibody does not immunospecifically bind to the polypeptide of SEQ ID NO: 52.
  60. (previously presented) The antibody of claim 59, wherein said antibody is a monoclonal antibody.
  61. (previously presented) The antibody of claim 59, wherein the antibody is a humanized antibody.
  62. (previously presented) A composition comprising the antibody of claim 59 and a carrier.
  63. (previously presented) A kit comprising in one or more containers, the composition of claim 62.
  64. (previously presented) An isolated antibody that immunospecifically-binds to a polypeptide variant of the amino acid sequence of amino acids 1-705 of SEQ ID NO: 5, wherein one amino acid residue in said variant differs from the amino acid sequence of SEQ ID NO: 5, wherein said polypeptide variant has kinase activity, and wherein said isolated antibody does not immunospecifically bind to the polypeptide of SEQ ID NO: 52.
  65. (previously presented) The antibody of claim 64, wherein said antibody is a monoclonal antibody.
  66. (previously presented) The antibody of claim 64, wherein the antibody is a humanized antibody.
  67. (previously presented) A composition comprising the antibody of claim 64 and a carrier.

68. (previously presented) A kit comprising in one or more containers, the composition of claim 67.
69. (previously presented) An isolated antibody that immunospecifically-binds to a polypeptide comprising an amino acid sequence at least 96% identical to the amino acid sequence of amino acids 28-705 of the amino acid sequence of SEQ ID NO: 5, and wherein said isolated antibody does not immunospecifically bind to the polypeptide of SEQ ID NO: 52.
70. (previously presented) The antibody of claim 69, wherein said antibody is a monoclonal antibody.
71. (previously presented) The antibody of claim 69, wherein the antibody is a humanized antibody.
72. (previously presented) A composition comprising the antibody of claim 69 and a carrier.
73. (previously presented) A kit comprising in one or more containers, the composition of claim 72.
74. (previously presented) An isolated antibody that immunospecifically-binds to the amino acid sequence of amino acids 726-992 of the amino acid sequence of SEQ ID NO: 5 that does not immunospecifically bind to SEQ ID NO: 52.
75. (previously presented) The antibody of claim 74, wherein the antibody is a monoclonal antibody.
76. (previously presented) The antibody of claim 74, wherein the antibody is a humanized antibody.
77. (previously presented) A composition comprising the antibody of claim 74 and a carrier.
78. (previously presented) A kit comprising in one or more containers, the composition of claim 77.
79. (previously presented) An isolated antibody that immunospecifically-binds to a polypeptide comprising an amino acid sequence at least 96% identical to the amino acid sequence of amino acids 726-992 of the amino acid sequence of SEQ ID NO: 5 that does not immunospecifically bind to SEQ ID NO: 52.
80. (previously presented) The antibody of claim 79, wherein said antibody is a monoclonal antibody.

81. (previously presented) The antibody of claim 79, wherein the antibody is a humanized antibody.
82. (previously presented) A composition comprising the antibody of claim 79 and a carrier.
83. (previously presented) A kit comprising in one or more containers, the composition of claim 82.
84. (previously presented) An isolated antibody that immunospecifically-binds to a polypeptide comprising an amino acid sequence at least 99% identical to the amino acid sequence of amino acids 726-992 of the amino acid sequence of SEQ ID NO: 5 that does not immunospecifically bind to SEQ ID NO: 52.
85. (previously presented) The antibody of claim 84, wherein the antibody is a monoclonal antibody.
86. (previously presented) The antibody of claim 84, wherein the antibody is a humanized antibody.
87. (previously presented) A composition comprising the antibody of claim 84 and a carrier.
88. (previously presented) A kit comprising in one or more containers, the composition of claim 87.
89. (previously presented) An isolated antibody that immunospecifically-binds to a polypeptide comprising an amino acid sequence at least 99% identical to the amino acid sequence of amino acids 28-705 of the amino acid sequence of SEQ ID NO: 5, and wherein said isolated antibody does not immunospecifically bind to the polypeptide of SEQ ID NO: 52.
90. (previously presented) The antibody of claim 89, wherein the antibody is a monoclonal antibody.
91. (previously presented) The antibody of claim 89, wherein the antibody is a humanized antibody.
92. (previously presented) A composition comprising the antibody of claim 89 and a carrier.
93. (previously presented) A kit comprising in one or more containers, the composition of claim 92.
94. (previously presented) An isolated antibody that immunospecifically-binds to a polypeptide selected from the group consisting of amino acids 4-11, 20-24, 26-30, 63-67, 85-89, 109-113, 123-127, 170-174, 272-276, 299-303, 304-310, 321-325, 373-377, 391-

395, 418-422, 425-429, 596-600, 602-612, 643-647, 653-657, 677-681, 684-688, 733-737, 755-759, 768-773, 782-786, 788-792, 794-798, 843-847, 863-867, 884-890, 894-899, 915-919, and 923-935 of SEQ ID NO: 5, wherein said isolated antibody does not immunospecifically bind to the polypeptide of SEQ ID NO: 52.

95. (previously presented) The antibody of claim 94, wherein the antibody is a monoclonal antibody.
66. (previously presented) The antibody of claim 94, wherein the antibody is a humanized antibody.
97. (previously presented) A composition comprising the antibody of claim 94 and a carrier.
98. (previously presented) A kit comprising in one or more containers, the composition of claim 97.
99. (newly added) An antibody that immunospecifically-binds to a polypeptide comprising amino acids 28-538 of SEQ ID NO:5, wherein said antibody does not immunospecifically bind to the polypeptide of SEQ ID NO: 52.